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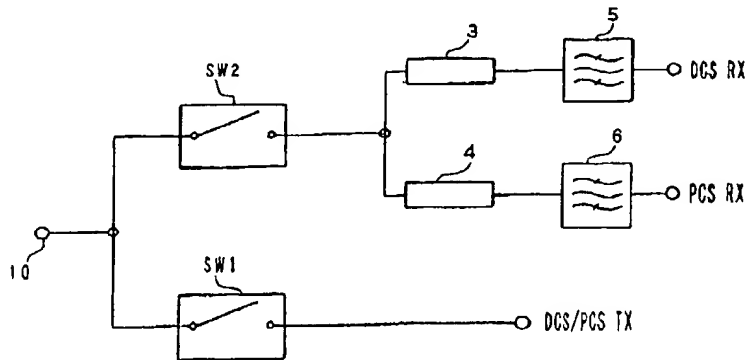
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(71) 出願人 (米国を除く全ての指定国について): 日立  
金属株式会社 (HITACHI METALS, LTD.) [JP/JP], 〒  
105-8614 東京都港区芝浦1丁目2-1 Tokyo (JP).  
(72) 発明者; および  
(75) 発明者/出願人 (米国についてのみ): 鋸持 茂 (KEM-  
MOCHI, Shigeru) [JP/JP]; 〒360-0856 埼玉県熊谷市別  
府1-65 Saitama (JP). 渡辺光弘 (WATANABE, Mitsuhiko)  
[JP/JP]; 〒680-0861 鳥取県鳥取市新74-6 Tottori (JP). 武  
田剛志 (TAKEITA, Tsuyoshi) [JP/DE]; D-40547 デュッ  
セルドルフ ホーエンシュタウフェンストラッセ 4  
Düsseldorf (DE). 但井裕之 (TAI, Hiroyuki) [JP/JP]; 〒  
680-0873 鳥取県鳥取市の場2丁目73 Tottori (JP).  
(74) 代理人: 高石橋馬 (TAKAISHI, Katsuma); 〒162-0825  
東京都新宿区神楽坂6丁目67 Tokyo (JP)  
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(54) Title: HIGH-FREQUENCY SWITCH, HIGH-FREQUENCY SWITCH MODULE, AND WIRELESS COMMUNICATION  
DEVICE

(54) 発明の名称: 高周波スイッチ回路、及びこれを用いた高周波スイッチモジュール並びに無線通信装置



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(57) Abstract: A high-frequency switch circuit common to a plurality of frequency bands comprises a first high-frequency switch connected to first high-frequency signal input and output terminals and adapted to pass transmission signals of a first or a second frequency band and block received signals of the first and second frequency band; and a demultiplexer has a first high-frequency circuit which consists of a first phaser connected to the first terminal and a first bandpass filter succeeding to the first phaser, and a second high-frequency circuit which consists of a second phaser connected to the first terminal and a second bandpass filter succeeding to the second phaser. The transmission line in the first phaser has a line length such that the input impedance of the first high-frequency circuit is substantially open in the pass band of the second high-frequency circuit, whereas the transmission line in the second phaser has a line length such that the input impedance of the second high-frequency circuit is substantially open in the pass band of the first bandpass filter. Thus, the high-frequency switch circuit passes one of the received signals of the first and second frequency bands and blocks the other.

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